ELSEVIER

Surface Science 312 (1994) 450–455

surface science

Author index

Abrams, M.J. and P.S. Weiss, Studying transient mobility and energy loss using scanning tunneling microscopy 312 (1994) 1
Agostino, R.G., see Küttel 312 (1994) 131

Baddorf, A.P., see Dürr 312 (1994) 369
Badziag, P., see Verwoerd 312 (1994) 221
Barbieri, A., D. Jentz, N. Materer, G. Held, J. Dunphy, D.F. Ogletree, P. Sautet, M. Salmeron, M.A. Van Hove and G.A. Somorjai, Surface crystallography of Re(0001)-(2 × 2)-S and Re(0001)-(2√3 × 2√3)R30°-6S: a combined LEED and STM study 312 (1994) 10
Bartelt, N.C., T.L. Einstein and E.D. Williams, Measuring surface mass diffusion coefficients by observing step fluctuations 312 (1994) 411
Barth, J.V., R.J. Behm and G. Ertl, Erratum to "Mesoscopic structural transformations of the Au(111) surface induced by alkali metal adsorption" [Surface Science Letters 302 (1994) L319–L324] 312 (1994) L757
Bayer, P., see Schmailzl 312 (1994) 73
Behm, R.J., see Barth 312 (1994) L757
Bennett, P.A., S.A. Parikh, M.Y. Lee and D.G. Cahill, Atomic structure of cobalt silicide islands formed by reactive epitaxy 312 (1994) 377
Bent, B.E., see Su 312 (1994) 181
Besenbacher, F., see Eierdal 312 (1994) 31
Bömermann, J., see Speller 312 (1994) L748
Borgmann, D., see Grellner 312 (1994) 143
Busmann, H.-G., see Lill 312 (1994) 124

Cahill, D.G., see Bennett 312 (1994) 377
Caudano, R., see Yu 312 (1994) 174
Chandesris, D., see Heckmann 312 (1994) 62
Charny, L., T. Saario and V.A. Marichev, Application of the contact electric resistance method for in situ investigation of semiconductor surface properties in electrolyte 312 (1994) 422
Chen, P.J. and D.W. Goodman, Epitaxial growth of ultrathin Al_2O_3 films on Ta(110) 312 (1994) L767
Cheng, C.C., see Gao 312 (1994) 261
Chiang, T.-C., see Lin 312 (1994) 213
Chou, Y.C., see Hong 312 (1994) L743
Choyke, W.J., see Gao 312 (1994) 261
Conard, Th., see Yu 312 (1994) 174
Cooper, B.R., see Hao 312 (1994) 250

Elsevier Science B.V.

Cotterill, G.F., see Li 312 (1994) 399
Cox, D.F., see Gercher 312 (1994) 106

Dai, D.J. and G.E. Ewing, Vibrational overtone spectroscopy and coupling effects in monolayer CO on NaCl(100) 312 (1994) 239
Dai, Z.-G., see Su 312 (1994) 181
Debever, J.-M., see Yu 312 (1994) 174
Degiovanni, A., see Yu 312 (1994) 174
Diebold, U., see Tao 312 (1994) 323
DiNardo, N.J., see Swanston 312 (1994) 361
Dohnalek, Z., see Gao 312 (1994) 261
Döll, R., see Schmailzl 312 (1994) 73
Dunphy, J., see Barbieri 312 (1994) 10
Dürr, H. and A.P. Baddorf, Anharmonicity and vibrational relaxation on the Cu(110)-(2 × 1)-O surface 312 (1994) 369
Dwyer, D.J., see Nassir 312 (1994) 115

Eierdal, L., F. Besenbacher, E. Lægsgaard and I. Stensgaard, Interaction of oxygen with Ni(110) studied by scanning tunneling microscopy 312 (1994) 31
Einstein, T.L., see Bartelt 312 (1994) 411
Engdahl, C. and G. Wahnström, Transient hyperthermal diffusion following dissociative chemisorption: a molecular dynamics study 312 (1994) 429
Engel, T., see Szabo 312 (1994) 284
Ertl, G., see Barth 312 (1994) L757
Ewing, G.E., see Dai 312 (1994) 239

Farrall, P.D., see Szabo 312 (1994) 284
Fasel, R., see Küttel 312 (1994) 131
Feher, F., see Pansoy-Hjelvik 312 (1994) 97
Frühberger, B., see Nassir 312 (1994) 115

Gao, Q., see Pansoy-Hjelvik 312 (1994) 97
Gao, Q., Z. Dohnalek, C.C. Cheng, W.J. Choyke and J.T. Yates, Jr., Direct images of isotropic and anisotropic vibrations in the Cl–Si and H–O–Si chemisorption bonds on Si(100) 312 (1994) 261
Gao, Q., see Ramsier 312 (1994) 271
Gercher, V.A. and D.F. Cox, Formic acid decomposition on SnO_2(110) 312 (1994) 106
Goodman, D.W., see Chen 312 (1994) L767
Grellner, F., B. Klingenberg, D. Borgmann and G. Wedler, Interaction of H_2O with Co(11$\bar{2}$0): a photoelectron spectroscopic study 312 (1994) 143

Hao, Y.G. and B.R. Cooper, Modeling of chemisorption on copper oxide supported on alumina 312 (1994) 250
Hasegawa, T., M. Kohno, S. Hosaka and S. Hosoki, Initial stages of oxygen adsorption onto a Si(111)-7 × 7 surface studied by STM 312 (1994) L753
Heckmann, O., H. Magnan, P. le Fevre, D. Chandesris and J.J. Rehr, Crystallographic structure of cobalt films on Cu(001): elastic deformation to a tetragonal structure 312 (1994) 62
Heiland, W., see Speller 312 (1994) L748
Heinz, K., see Schmailzl 312 (1994) 73
Held, G., see Barbieri 312 (1994) 10

Hemminger, J.C., see Pansoy-Hjelvik 312 (1994) 97
Hertel, I.V., see Lill 312 (1994) 124
Heskett, D., see Swanston 312 (1994) 361
Hong, H., see Lin 312 (1994) 213
Hong, I.H., P.R. Jeng, S.C. Shyu, Y.C. Chou and C.M. Wei, Surface dimer imaging using Kikuchi electron holography: a study on Si(001)(2 × 1) surface 312 (1994) L743
Hosaka, S., see Hasegawa 312 (1994) L753
Hosoki, S., see Hasegawa 312 (1994) L753
Hrbek, J., see Rodriguez 312 (1994) 345

Jeng, P.R., see Hong 312 (1994) L743
Jentz, D., see Barbieri 312 (1994) 10
Jia, J.-F., see Wu 312 (1994) 167

Kawai, S., see Matsumoto 312 (1994) 21
Kawai, T., see Matsumoto 312 (1994) 21
King, B.V., see Li 312 (1994) 399
King, D.A., see Mapledoram 312 (1994) 54
Klingenberg, B., see Grellner 312 (1994) 143
Kohno, M., see Hasegawa 312 (1994) L753
Kouguchi, K., see Matsumoto 312 (1994) 21
Küttel, O.M., R.G. Agostino, R. Fasel, J. Osterwalder and L. Schlapbach, X-ray photoelectron and Auger electron diffraction study of diamond and graphite surfaces 312 (1994) 131

Lambin, Ph., see Yu 312 (1994) 174
Le Fevre, P., see Heckmann 312 (1994) 62
Leclerc, G., see Yu 312 (1994) 174
Lee, M.Y., see Bennett 312 (1994) 377
Lægsgaard, E., see Eierdal 312 (1994) 31
Li, T., B.V. King, R.J. MacDonald, G.F. Cotterill, D.J. O'Connor and Q. Yang, A STM study of the effects of the ion incident angle and energy on surface damage induced by Ar^+ bombardment of HOPG 312 (1994) 399
Lill, Th., H.-G. Busmann, B. Reif and I.V. Hertel, Dissociation of C_{60}^+ ions in collision with a Ni(100) surface 312 (1994) 124
Lin, D.-S., H. Hong, T. Miller and T.-C. Chiang, Growth and atomic structure of epitaxial Si films on Ge(111) 312 (1994) 213
Lisowski, W., Low-temperature interaction of hydrogen with methane-precovered thin palladium films 312 (1994) 157
Lu, S.-H., see Wu 312 (1994) 167
Ludeke, R., see Swanston 312 (1994) 361
Luo, W., see Su 312 (1994) 181

MacDonald, R.J., see Li 312 (1994) 399
Madey, T.E., see Tao 312 (1994) 323
Magnan, H., see Heckmann 312 (1994) 62
Mapledoram, L.D., A. Wander and D.A. King, Islanding or random growth? The low coverage growth modes and structure of NO on Ni{111} studied by diffuse ATLEED 312 (1994) 54
Marichev, V.A., see Charny 312 (1994) 422
Materer, N., see Barbieri 312 (1994) 10

Matsumoto, T., H. Tanaka, K. Kouguchi, T. Kawai and S. Kawai, A scanning tunneling microscopy study of laser molecular beam epitaxy on $SrTiO_3$(100) surface 312 (1994) 21
McIlroy, D.N., see Swanston 312 (1994) 361
McLean, A.B., see Swanston 312 (1994) 361
Mehl, D., see Zharnikov 312 (1994) 82
Miller, D., see Tepper 312 (1994) 310
Miller, T., see Lin 312 (1994) 213
Molitor, S., see Speller 312 (1994) L748
Munekata, H., see Swanston 312 (1994) 361

Nassir, M.H., B. Frühberger and D.J. Dwyer, Coverage dependence of CO dissociation on clean and hydrogen presaturated Fe(100) surface 312 (1994) 115
Neergaard Waltenburg, H., see Ramsier 312 (1994) 271
Norton, P.R., see Zhdanov 312 (1994) 441

O'Brien, W.L. and B.P. Tonner, Electronic structure of γ-$FeSi_2$: angle resolved valence band photoemission and Si 2p photoemission 312 (1994) 233
O'Connor, D.J., see Li 312 (1994) 399
Ogletree, D.F., see Barbieri 312 (1994) 10
Osterwalder, J., see Küttel 312 (1994) 131
Osuch, K., see Verwoerd 312 (1994) 221

Pansoy-Hjelvik, M.E., R. Xu, Q. Gao, K. Weller, F. Feher and J.C. Hemminger, The chemistry of methyl and ethyl radicals on Pt(111) from the decomposition of tri-alkyl bismuth compounds 312 (1994) 97
Parikh, S.A., see Bennett 312 (1994) 377
Peden, C.H.F. and N.D. Shinn, Oxidation of W(110): valence-band and W(4f) core-level spectroscopy 312 (1994) 151
Persson, B.N.J. and E. Tosatti, What can high-resolution electron energy loss spectroscopy tell about pre-melting of semiconductor surfaces at high temperatures? 312 (1994) 198
Pfnür, H., see Schmidtke 312 (1994) 301
Plummer, E.W., see Walters 312 (1994) L759
Poker, D.B., see Walters 312 (1994) L759
Prietsch, M., see Swanston 312 (1994) 361

Ramsier, R.D., Q. Gao, H. Neergaard Waltenburg and J.T. Yates, Jr., Ge deposition on Pd(111): adsorption and decomposition of Ge_2H_6 312 (1994) 271
Rehr, J.J., see Heckmann 312 (1994) 62
Reif, B., see Lill 312 (1994) 124
Rockett, A., A Monte Carlo simulation of the growth of Si(001)2×1: adatom/SA step interactions and growth mechanisms 312 (1994) 201
Rodriguez, J.A. and J. Hrbek, Synergistic interactions in trimetallic bonding: a comparison of the ZnNM/Ru(001) (NM = Cu, Ag or Au) systems 312 (1994) 345
Röthig, C., see Speller 312 (1994) L748

Saario, T., see Charny 312 (1994) 422
Salmeron, M., see Barbieri 312 (1994) 10
Sautet, P., see Barbieri 312 (1994) 10
Schlapbach, L., see Küttel 312 (1994) 131

Schmailzl, P., K. Schmidt, P. Bayer, R. Döll and K. Heinz, The structure of thin epitaxial Fe films on Cu(100) in the transition range fcc → bcc	312 (1994)	73
Schmidt, K., see Schmailzl	312 (1994)	73
Schmidtke, E., C. Schwennicke and H. Pfnür, The O/Ni(111)-p(2 × 2) structure: adsorbate induced relaxations	312 (1994)	301
Schwennicke, C., see Schmidtke	312 (1994)	301
Shinn, N.D., see Peden	312 (1994)	151
Shinn, N.D., see Tao	312 (1994)	323
Shyu, S.C., see Hong	312 (1994)	L743
Somorjai, G.A., see Barbieri	312 (1994)	10
Speller, S., S. Molitor, C. Röthig, J. Bömermann and W. Heiland, Surface mobility on the Au(110) surface observed with scanning tunneling microscopy	312 (1994)	L748
Steinrück, H.-P., see Zharnikov	312 (1994)	82
Stensgaard, I., see Eierdal	312 (1994)	31
Stoop, P.M., see Van der Merwe	312 (1994)	387
Su, C., Z.-G. Dai, W. Luo, D.-H. Sun, M.F. Vernon and B.E. Bent, Chemical dry etching of GaAs(100) by HCl: products, rate, and a kinetic model	312 (1994)	181
Sun, D.-H., see Su	312 (1994)	181
Swanston, D.M., A.B. McLean, D.N. McIlroy, D. Heskett, R. Ludeke, H. Munekata, M. Prietsch and N.J. DiNardo, Surface localized states on InAs(110)	312 (1994)	361
Szabo, A., P.D. Farrall and T. Engel, Reactions of chlorine with Si(100) and Si(111): adsorption and desorption kinetics	312 (1994)	284
Tanaka, H., see Matsumoto	312 (1994)	21
Tao, H.-S., U. Diebold, N.D. Shinn and T.E. Madey, Surface chemistry of PH_3, PF_3 and PCl_3 on Ru(0001)	312 (1994)	323
Tepper, G. and D. Miller, Diffractive scattering of the hydrogen dimer from ordered adsorbates on nickel (110)	312 (1994)	310
Thiry, P.A., see Yu	312 (1994)	174
Tonner, B.P., see O'Brien	312 (1994)	233
Tönsing, D.L., see Van der Merwe	312 (1994)	387
Tosatti, E., see Persson	312 (1994)	198
Van der Merwe, J.H., D.L. Tönsing and P.M. Stoop, Role of misfit strain and proximity in epigrowth modes. I. Strong epilayer–substrate interaction	312 (1994)	387
Van Hove, M.A., see Barbieri	312 (1994)	10
Vernon, M.F., see Su	312 (1994)	181
Verwoerd, W.S., K. Osuch and P. Badziag, Atomic structure calculations for epitaxy of c-BN on Si(001)	312 (1994)	221
Wahnström, G., see Engdahl	312 (1994)	429
Walters, C.F., D.B. Poker, D.M. Zehner and E.W. Plummer, The deuterium-induced reconstruction of Cu(100): Correlation of surface structures with absolute coverage	312 (1994)	L759
Wander, A., see Mapledoram	312 (1994)	54
Wang, D.-Z., see Wu	312 (1994)	167
Wedler, G., see Grellner	312 (1994)	143
Wei, C.M., see Hong	312 (1994)	L743
Weinelt, M., see Zharnikov	312 (1994)	82
Weiss, P.S., see Abrams	312 (1994)	1
Weller, K., see Pansoy-Hjelvik	312 (1994)	97

Williams, E.D., see Bartelt 312 (1994) 411
Wu, K., see Wu 312 (1994) 167
Wu, S.-C., J.-F. Jia, K. Wu, S.-H. Lu, R.-G. Zhao and D.-Z. Wang, Coadsorption of carbon monoxide and oxygen on Pd{001}c(2 × 2)-Mn: an oxidation pathway for CO_2 formation 312 (1994) 167

Xu, R., see Pansoy-Hjelvik 312 (1994) 97

Yang, Q., see Li 312 (1994) 399
Yates, Jr., J.T., see Gao 312 (1994) 261
Yates, Jr., J.T., see Ramsier 312 (1994) 271
Yu, L.-M., P.A. Thiry, A. Degiovanni, Th. Conard, G. Leclerc, R. Caudano, Ph. Lambin and J.-M. Debever, The use of high resolution electron-energy-loss spectroscopy for refining the infrared optical constants of GaS, GaSe, and InSe 312 (1994) 174

Zebisch, P., see Zharnikov 312 (1994) 82
Zehner, D.M., see Walters 312 (1994) L759
Zhao, R.-G., see Wu 312 (1994) 167
Zharnikov, M., D. Mehl, M. Weinelt, P. Zebisch and H.-P. Steinrück, Holographic reconstruction of Pt(110) using multiple wave number photoelectron diffraction patterns 312 (1994) 82
Zhdanov, V.P. and P.R. Norton, Statistics of adsorption on top and bridge sites of a square lattice 312 (1994) 441

ELSEVIER

Surface Science 312 (1994) 456–467

surface science

Subject index

Alkali halides

D.J. Dai and G.E. Ewing, Vibrational overtone spectroscopy and coupling effects in monolayer CO on NaCl(100) 312 (1994) 239

Alkali metals

J.V. Barth, R.J. Behm and G. Ertl, Erratum to "Mesoscopic structural transformations of the Au(111) surface induced by alkali metal adsorption" [Surface Science Letters 302 (1994) L319–L324] 312 (1994) L757

Aluminium

C. Engdahl and G. Wahnström, Transient hyperthermal diffusion following dissociative chemisorption: a molecular dynamics study 312 (1994) 429

Aluminium oxide

P.J. Chen and D.W. Goodman, Epitaxial growth of ultrathin Al_2O_3 films on Ta(110) 312 (1994) L767

Atomic and molecular beam studies

A. Szabo, P.D. Farrall and T. Engel, Reactions of chlorine with Si(100) and Si(111): adsorption and desorption kinetics 312 (1994) 284

G. Tepper and D. Miller, Diffractive scattering of the hydrogen dimer from ordered adsorbates on nickel (110) 312 (1994) 310

Auger electron spectroscopy

O.M. Küttel, R.G. Agostino, R. Fasel, J. Osterwalder and L. Schlapbach, X-ray photoelectron and Auger electron diffraction study of diamond and graphite surfaces 312 (1994) 131

R.D. Ramsier, Q. Gao, H. Neergaard Waltenburg and J.T. Yates, Jr., Ge deposition on Pd(111): adsorption and decomposition of Ge_2H_6 312 (1994) 271

Band structure

W.L. O'Brien and B.P. Tonner, Electronic structure of γ-$FeSi_2$: angle resolved valence band photoemission and Si 2p photoemission 312 (1994) 233

D.M. Swanston, A.B. McLean, D.N. McIlroy, D. Heskett, R. Ludeke, H. Munekata, M. Prietsch and N.J. DiNardo, Surface localized states on InAs(110) 312 (1994) 361

Boron nitride

W.S. Verwoerd, K. Osuch and P. Badziag, Atomic structure calculations for epitaxy of c-BN on Si(001) 312 (1994) 221

Elsevier Science B.V.

Carbon, see also Graphite
Th. Lill, H.-G. Busmann, B. Reif and I.V. Hertel, Dissociation of C_{60}^{+} ions in collision with a Ni(100) surface 312 (1994) 124

Carbon monoxide
M.H. Nassir, B. Frühberger and D.J. Dwyer, Coverage dependence of CO dissociation on clean and hydrogen presaturated Fe(100) surface 312 (1994) 115
S.-C. Wu, J.-F. Jia, K. Wu, S.-H. Lu, R.-G. Zhao and D.-Z. Wang, Coadsorption of carbon monoxide and oxygen on Pd{001}c(2 × 2)-Mn: an oxidation pathway for CO_2 formation 312 (1994) 167
D.J. Dai and G.E. Ewing, Vibrational overtone spectroscopy and coupling effects in monolayer CO on NaCl(100) 312 (1994) 239
G. Tepper and D. Miller, Diffractive scattering of the hydrogen dimer from ordered adsorbates on nickel (110) 312 (1994) 310
V.P. Zhdanov and P.R. Norton, Statistics of adsorption on top and bridge sites of a square lattice 312 (1994) 441

Carboxylic acid
V.A. Gercher and D.F. Cox, Formic acid decomposition on SnO_2(110) 312 (1994) 106

Chalcogens
L.-M. Yu, P.A. Thiry, A. Degiovanni, Th. Conard, G. Leclerc, R. Caudano, Ph. Lambin and J.-M. Debever, The use of high resolution electron-energy-loss spectroscopy for refining the infrared optical constants of GaS, GaSe, and InSe 312 (1994) 174

Chemisorption theory
Y.G. Hao and B.R. Cooper, Modeling of chemisorption on copper oxide supported on alumina 312 (1994) 250

Cobalt
O. Heckmann, H. Magnan, P. le Fevre, D. Chandesris and J.J. Rehr, Crystallographic structure of cobalt films on Cu(001): elastic deformation to a tetragonal structure 312 (1994) 62
F. Grellner, B. Klingenberg, D. Borgmann and G. Wedler, Interaction of H_2O with Co(11$\bar{2}$0): a photoelectron spectroscopic study 312 (1994) 143

Conductivity
L. Charny, T. Saario and V.A. Marichev, Application of the contact electric resistance method for in situ investigation of semiconductor surface properties in electrolyte 312 (1994) 422

Copper
O. Heckmann, H. Magnan, P. le Fevre, D. Chandesris and J.J. Rehr, Crystallographic structure of cobalt films on Cu(001): elastic deformation to a tetragonal structure 312 (1994) 62
P. Schmailzl, K. Schmidt, P. Bayer, R. Döll and K. Heinz, The structure of thin epitaxial Fe films on Cu(100) in the transition range fcc → bcc 312 (1994) 73
C.F. Walters, D.B. Poker, D.M. Zehner and E.W. Plummer, The deuterium-induced reconstruction of Cu(100): Correlation of surface structures with absolute coverage 312 (1994) L759

J.A. Rodriguez and J. Hrbek, Synergistic interactions in trimetallic bonding: a comparison of the ZnNM/Ru(001) (NM = Cu, Ag or Au) systems 312 (1994) 345
H. Dürr and A.P. Baddorf, Anharmonicity and vibrational relaxation on the Cu(110)-(2 × 1)-O surface 312 (1994) 369
J.H. van der Merwe, D.L. Tönsing and P.M. Stoop, Role of misfit strain and proximity in epigrowth modes. I. Strong epilayer–substrate interaction 312 (1994) 387

Cuprous oxide
Y.G. Hao and B.R. Cooper, Modeling of chemisorption on copper oxide supported on alumina 312 (1994) 250

Deuterium
C.F. Walters, D.B. Poker, D.M. Zehner and E.W. Plummer, The deuterium-induced reconstruction of Cu(100): Correlation of surface structures with absolute coverage 312 (1994) L759

Diamond
O.M. Küttel, R.G. Agostino, R. Fasel, J. Osterwalder and L. Schlapbach, X-ray photoelectron and Auger electron diffraction study of diamond and graphite surfaces 312 (1994) 131

Electron diffraction, see also Low energy electron diffraction
I.H. Hong, P.R. Jeng, S.C. Shyu, Y.C. Chou and C.M. Wei, Surface dimer imaging using Kikuchi electron holography: a study on Si(001)(2 × 1) surface 312 (1994) L743
T. Matsumoto, H. Tanaka, K. Kouguchi, T. Kawai and S. Kawai, A scanning tunneling microscopy study of laser molecular beam epitaxy on $SrTiO_3$(100) surface 312 (1994) 21
M. Zharnikov, D. Mehl, M. Weinelt, P. Zebisch and H.-P. Steinrück, Holographic reconstruction of Pt(110) using multiple wave number photoelectron diffraction patterns 312 (1994) 82
O.M. Küttel, R.G. Agostino, R. Fasel, J. Osterwalder and L. Schlapbach, X-ray photoelectron and Auger electron diffraction study of diamond and graphite surfaces 312 (1994) 131

Electron energy loss spectroscopy
M.E. Pansoy-Hjelvik, R. Xu, Q. Gao, K. Weller, F. Feher and J.C. Hemminger, The chemistry of methyl and ethyl radicals on Pt(111) from the decomposition of tri-alkyl bismuth compounds 312 (1994) 97
S.-C. Wu, J.-F. Jia, K. Wu, S.-H. Lu, R.-G. Zhao and D.-Z. Wang, Coadsorption of carbon monoxide and oxygen on Pd{001}c(2 × 2)-Mn: an oxidation pathway for CO_2 formation 312 (1994) 167
L.-M. Yu, P.A. Thiry, A. Degiovanni, Th. Conard, G. Leclerc, R. Caudano, Ph. Lambin and J.-M. Debever, The use of high resolution electron-energy-loss spectroscopy for refining the infrared optical constants of GaS, GaSe, and InSe 312 (1994) 174
B.N.J. Persson and E. Tosatti, What can high-resolution electron energy loss spectroscopy tell about pre-melting of semiconductor surfaces at high temperatures? 312 (1994) 198

H. Dürr and A.P. Baddorf, Anharmonicity and vibrational relaxation on the Cu(110)-(2 × 1)-O surface 312 (1994) 369

Electron stimulated desorption

Q. Gao, Z. Dohnalek, C.C. Cheng, W.J. Choyke and J.T. Yates, Jr., Direct images of isotropic and anisotropic vibrations in the Cl–Si and H–O–Si chemisorption bonds on Si(100) 312 (1994) 261

Epitaxy

D.-S. Lin, H. Hong, T. Miller and T.-C. Chiang, Growth and atomic structure of epitaxial Si films on Ge(111) 312 (1994) 213

W.S. Verwoerd, K. Osuch and P. Badziag, Atomic structure calculations for epitaxy of c-BN on Si(001) 312 (1994) 221

J.H. van der Merwe, D.L. Tönsing and P.M. Stoop, Role of misfit strain and proximity in epigrowth modes. I. Strong epilayer–substrate interaction 312 (1994) 387

Etching

C. Su, Z.-G. Dai, W. Luo, D.-H. Sun, M.F. Vernon and B.E. Bent, Chemical dry etching of GaAs(100) by HCl: products, rate, and a kinetic model 312 (1994) 181

Gallium arsenide

C. Su, Z.-G. Dai, W. Luo, D.-H. Sun, M.F. Vernon and B.E. Bent, Chemical dry etching of GaAs(100) by HCl: products, rate, and a kinetic model 312 (1994) 181

L. Charny, T. Saario and V.A. Marichev, Application of the contact electric resistance method for in situ investigation of semiconductor surface properties in electrolyte 312 (1994) 422

Germanium

B.N.J. Persson and E. Tosatti, What can high-resolution electron energy loss spectroscopy tell about pre-melting of semiconductor surfaces at high temperatures? 312 (1994) 198

D.-S. Lin, H. Hong, T. Miller and T.-C. Chiang, Growth and atomic structure of epitaxial Si films on Ge(111) 312 (1994) 213

R.D. Ramsier, Q. Gao, H. Neergaard Waltenburg and J.T. Yates, Jr., Ge deposition on Pd(111): adsorption and decomposition of Ge_2H_6 312 (1994) 271

Gold

S. Speller, S. Molitor, C. Röthig, J. Bömermann and W. Heiland, Surface mobility on the Au(110) surface observed with scanning tunneling microscopy 312 (1994) L748

J.V. Barth, R.J. Behm and G. Ertl, Erratum to "Mesoscopic structural transformations of the Au(111) surface induced by alkali metal adsorption" [Surface Science Letters 302 (1994) L319–L324] 312 (1994) L757

J.A. Rodriguez and J. Hrbek, Synergistic interactions in trimetallic bonding: a comparison of the ZnNM/Ru(001) (NM = Cu, Ag or Au) systems 312 (1994) 345

Graphite

O.M. Küttel, R.G. Agostino, R. Fasel, J. Osterwalder and L. Schlapbach, X-ray photoelectron and Auger electron diffraction study of diamond and graphite surfaces 312 (1994) 131

T. Li, B.V. King, R.J. MacDonald, G.F. Cotterill, D.J. O'Connor and Q. Yang, A STM study of the effects of the ion incident angle and energy on surface damage induced by Ar^+ bombardment of HOPG 312 (1994) 399

Halogens

Q. Gao, Z. Dohnalek, C.C. Cheng, W.J. Choyke and J.T. Yates, Jr., Direct images of isotropic and anisotropic vibrations in the Cl–Si and H–O–Si chemisorption bonds on Si(100) 312 (1994) 261

A. Szabo, P.D. Farrall and T. Engel, Reactions of chlorine with Si(100) and Si(111): adsorption and desorption kinetics 312 (1994) 284

Hydrogen

M.H. Nassir, B. Frühberger and D.J. Dwyer, Coverage dependence of CO dissociation on clean and hydrogen presaturated Fe(100) surface 312 (1994) 115

W. Lisowski, Low-temperature interaction of hydrogen with methane-precovered thin palladium films 312 (1994) 157

G. Tepper and D. Miller, Diffractive scattering of the hydrogen dimer from ordered adsorbates on nickel (110) 312 (1994) 310

Indium arsenide

D.M. Swanston, A.B. McLean, D.N. McIlroy, D. Heskett, R. Ludeke, H. Munekata, M. Prietsch and N.J. DiNardo, Surface localized states on InAs(110) 312 (1994) 361

Infrared spectroscopy

D.J. Dai and G.E. Ewing, Vibrational overtone spectroscopy and coupling effects in monolayer CO on NaCl(100) 312 (1994) 239

Inorganic compounds

C. Su, Z.-G. Dai, W. Luo, D.-H. Sun, M.F. Vernon and B.E. Bent, Chemical dry etching of GaAs(100) by HCl: products, rate, and a kinetic model 312 (1994) 181

H.-S. Tao, U. Diebold, N.D. Shinn and T.E. Madey, Surface chemistry of PH_3, PF_3 and PCl_3 on Ru(0001) 312 (1994) 323

Ion bombardment

T. Li, B.V. King, R.J. MacDonald, G.F. Cotterill, D.J. O'Connor and Q. Yang, A STM study of the effects of the ion incident angle and energy on surface damage induced by Ar^+ bombardment of HOPG 312 (1994) 399

Ion scattering

Th. Lill, H.-G. Busmann, B. Reif and I.V. Hertel, Dissociation of C_{60}^+ ions in collision with a Ni(100) surface 312 (1994) 124

Iron

P. Schmailzl, K. Schmidt, P. Bayer, R. Döll and K. Heinz, The structure of thin epitaxial Fe films on Cu(100) in the transition range fcc → bcc 312 (1994) 73

M.H. Nassir, B. Frühberger and D.J. Dwyer, Coverage dependence of CO dissociation on clean and hydrogen presaturated Fe(100) surface 312 (1994) 115

Low energy electron diffraction

A. Barbieri, D. Jentz, N. Materer, G. Held, J. Dunphy, D.F. Ogletree, P. Sautet, M. Salmeron, M.A. Van Hove and G.A. Somorjai, Surface crystallography of Re(0001)-(2 × 2)-S and Re(0001)-(2√3 × 2√3)R30°-6S: a combined LEED and STM study 312 (1994) 10

L.D. Mapledoram, A. Wander and D.A. King, Islanding or random growth? The low coverage growth modes and structure of NO on Ni{111} studied by diffuse ATLEED 312 (1994) 54

P. Schmailzl, K. Schmidt, P. Bayer, R. Döll and K. Heinz, The structure of thin epitaxial Fe films on Cu(100) in the transition range fcc → bcc 312 (1994) 73

C.F. Walters, D.B. Poker, D.M. Zehner and E.W. Plummer, The deuterium-induced reconstruction of Cu(100): Correlation of surface structures with absolute coverage 312 (1994) L759

P.J. Chen and D.W. Goodman, Epitaxial growth of ultrathin Al_2O_3 films on Ta(110) 312 (1994) L767

R.D. Ramsier, Q. Gao, H. Neergaard Waltenburg and J.T. Yates, Jr., Ge deposition on Pd(111): adsorption and decomposition of Ge_2H_6 312 (1994) 271

E. Schmidtke, C. Schwennicke and H. Pfnür, The O/Ni(111)-p(2 × 2) structure: adsorbate induced relaxations 312 (1994) 301

Methane

W. Lisowski, Low-temperature interaction of hydrogen with methane-precovered thin palladium films 312 (1994) 157

Nickel

L. Eierdal, F. Besenbacher, E. Lægsgaard and I. Stensgaard, Interaction of oxygen with Ni(110) studied by scanning tunneling microscopy 312 (1994) 31

L.D. Mapledoram, A. Wander and D.A. King, Islanding or random growth? The low coverage growth modes and structure of NO on Ni{111} studied by diffuse ATLEED 312 (1994) 54

Th. Lill, H.-G. Busmann, B. Reif and I.V. Hertel, Dissociation of C_{60}^+ ions in collision with a Ni(100) surface 312 (1994) 124

E. Schmidtke, C. Schwennicke and H. Pfnür, The O/Ni(111)-p(2 × 2) structure: adsorbate induced relaxations 312 (1994) 301

G. Tepper and D. Miller, Diffractive scattering of the hydrogen dimer from ordered adsorbates on nickel (110) 312 (1994) 310

J.H. van der Merwe, D.L. Tönsing and P.M. Stoop, Role of misfit strain and proximity in epigrowth modes. I. Strong epilayer–substrate interaction 312 (1994) 387

V.P. Zhdanov and P.R. Norton, Statistics of adsorption on top and bridge sites of a square lattice 312 (1994) 441

Nitric oxide

L.D. Mapledoram, A. Wander and D.A. King, Islanding or random growth? The low coverage growth modes and structure of NO on Ni{111} studied by diffuse ATLEED 312 (1994) 54

Organic substances

M.E. Pansoy-Hjelvik, R. Xu, Q. Gao, K. Weller, F. Feher and J.C. Hemminger, The chemistry of methyl and ethyl radicals on Pt(111) from the decomposition of tri-alkyl bismuth compounds 312 (1994) 97

Oxides

T. Matsumoto, H. Tanaka, K. Kouguchi, T. Kawai and S. Kawai, A scanning tunneling microscopy study of laser molecular beam epitaxy on $SrTiO_3$(100) surface 312 (1994) 21

Oxygen

T. Hasegawa, M. Kohno, S. Hosaka and S. Hosoki, Initial stages of oxygen adsorption onto a Si(111)-7 × 7 surface studied by STM 312 (1994) L753

L. Eierdal, F. Besenbacher, E. Lægsgaard and I. Stensgaard, Interaction of oxygen with Ni(110) studied by scanning tunneling microscopy 312 (1994) 31

C.H.F. Peden and N.D. Shinn, Oxidation of W(110): valence-band and W(4f) core-level spectroscopy 312 (1994) 151

S.-C. Wu, J.-F. Jia, K. Wu, S.-H. Lu, R.-G. Zhao and D.-Z. Wang, Coadsorption of carbon monoxide and oxygen on Pd{001}c(2 × 2)-Mn: an oxidation pathway for CO_2 formation 312 (1994) 167

E. Schmidtke, C. Schwennicke and H. Pfnür, The O/Ni(111)-p(2 × 2) structure: adsorbate induced relaxations 312 (1994) 301

H. Dürr and A.P. Baddorf, Anharmonicity and vibrational relaxation on the Cu(110)-(2 × 1)-O surface 312 (1994) 369

C. Engdahl and G. Wahnström, Transient hyperthermal diffusion following dissociative chemisorption: a molecular dynamics study 312 (1994) 429

Palladium

W. Lisowski, Low-temperature interaction of hydrogen with methane-precovered thin palladium films 312 (1994) 157

S.-C. Wu, J.-F. Jia, K. Wu, S.-H. Lu, R.-G. Zhao and D.-Z. Wang, Coadsorption of carbon monoxide and oxygen on Pd{001}c(2 × 2)-Mn: an oxidation pathway for CO_2 formation 312 (1994) 167

R.D. Ramsier, Q. Gao, H. Neergaard Waltenburg and J.T. Yates, Jr., Ge deposition on Pd(111): adsorption and decomposition of Ge_2H_6 312 (1994) 271

Photoelectron spectroscopy

M. Zharnikov, D. Mehl, M. Weinelt, P. Zebisch and H.-P. Steinrück, Holographic reconstruction of Pt(110) using multiple wave number photoelectron diffraction patterns 312 (1994) 82

V.A. Gercher and D.F. Cox, Formic acid decomposition on SnO_2(110) 312 (1994) 106

O.M. Küttel, R.G. Agostino, R. Fasel, J. Osterwalder and L. Schlapbach, X-ray photoelectron and Auger electron diffraction study of diamond and graphite surfaces 312 (1994) 131

F. Grellner, B. Klingenberg, D. Borgmann and G. Wedler, Interaction of H_2O with Co(11$\bar{2}$0): a photoelectron spectroscopic study 312 (1994) 143

C.H.F. Peden and N.D. Shinn, Oxidation of W(110): valence-band and W(4f) core-level spectroscopy 312 (1994) 151

W.L. O'Brien and B.P. Tonner, Electronic structure of γ-$FeSi_2$: angle resolved valence band photoemission and Si 2p photoemission 312 (1994) 233

H.-S. Tao, U. Diebold, N.D. Shinn and T.E. Madey, Surface chemistry of PH_3, PF_3 and PCl_3 on Ru(0001) 312 (1994) 323

J.A. Rodriguez and J. Hrbek, Synergistic interactions in trimetallic bonding: a comparison of the ZnNM/Ru(001) (NM = Cu, Ag or Au) systems 312 (1994) 345

D.M. Swanston, A.B. McLean, D.N. McIlroy, D. Heskett, R. Ludeke, H. Munekata, M. Prietsch and N.J. DiNardo, Surface localized states on InAs(110) 312 (1994) 361

Platinum

M. Zharnikov, D. Mehl, M. Weinelt, P. Zebisch and H.-P. Steinrück, Holographic reconstruction of Pt(110) using multiple wave number photoelectron diffraction patterns 312 (1994) 82
M.E. Pansoy-Hjelvik, R. Xu, Q. Gao, K. Weller, F. Feher and J.C. Hemminger, The chemistry of methyl and ethyl radicals on Pt(111) from the decomposition of tri-alkyl bismuth compounds 312 (1994) 97
V.P. Zhdanov and P.R. Norton, Statistics of adsorption on top and bridge sites of a square lattice 312 (1994) 441

Rhenium

A. Barbieri, D. Jentz, N. Materer, G. Held, J. Dunphy, D.F. Ogletree, P. Sautet, M. Salmeron, M.A. Van Hove and G.A. Somorjai, Surface crystallography of Re(0001)-(2 × 2)-S and Re(0001)-(2√3 × 2√3)R30°-6S: a combined LEED and STM study 312 (1994) 10

Ruthenium

H.-S. Tao, U. Diebold, N.D. Shinn and T.E. Madey, Surface chemistry of PH_3, PF_3 and PCl_3 on Ru(0001) 312 (1994) 323
J.A. Rodriguez and J. Hrbek, Synergistic interactions in trimetallic bonding: a comparison of the ZnNM/Ru(001) (NM = Cu, Ag or Au) systems 312 (1994) 345

Silicides

W.L. O'Brien and B.P. Tonner, Electronic structure of γ-$FeSi_2$: angle resolved valence band photoemission and Si 2p photoemission 312 (1994) 233
P.A. Bennett, S.A. Parikh, M.Y. Lee and D.G. Cahill, Atomic structure of cobalt silicide islands formed by reactive epitaxy 312 (1994) 377

Silicon

I.H. Hong, P.R. Jeng, S.C. Shyu, Y.C. Chou and C.M. Wei, Surface dimer imaging using Kikuchi electron holography: a study on Si(001)(2 × 1) surface 312 (1994) L743
T. Hasegawa, M. Kohno, S. Hosaka and S. Hosoki, Initial stages of oxygen adsorption onto a Si(111)-7 × 7 surface studied by STM 312 (1994) L753
A. Rockett, A Monte Carlo simulation of the growth of Si(001)2 × 1: adatom/SA step interactions and growth mechanisms 312 (1994) 201
D.-S. Lin, H. Hong, T. Miller and T.-C. Chiang, Growth and atomic structure of epitaxial Si films on Ge(111) 312 (1994) 213
W.S. Verwoerd, K. Osuch and P. Badziag, Atomic structure calculations for epitaxy of c-BN on Si(001) 312 (1994) 221
Q. Gao, Z. Dohnalek, C.C. Cheng, W.J. Choyke and J.T. Yates, Jr., Direct images of isotropic and anisotropic vibrations in the Cl–Si and H–O–Si chemisorption bonds on Si(100) 312 (1994) 261
A. Szabo, P.D. Farrall and T. Engel, Reactions of chlorine with Si(100) and Si(111): adsorption and desorption kinetics 312 (1994) 284

Silver
J.A. Rodriguez and J. Hrbek, Synergistic interactions in trimetallic bonding: a comparison of the ZnNM/Ru(001) (NM = Cu, Ag or Au) systems 312 (1994) 345

Solid–electrolyte interface
L. Charny, T. Saario and V.A. Marichev, Application of the contact electric resistance method for in situ investigation of semiconductor surface properties in electrolyte 312 (1994) 422

Sulphur
A. Barbieri, D. Jentz, N. Materer, G. Held, J. Dunphy, D.F. Ogletree, P. Sautet, M. Salmeron, M.A. Van Hove and G.A. Somorjai, Surface crystallography of Re(0001)-(2 × 2)-S and Re(0001)-($2\sqrt{3} \times 2\sqrt{3}$)R30°-6S: a combined LEED and STM study 312 (1994) 10

Sulphur dioxide
Y.G. Hao and B.R. Cooper, Modeling of chemisorption on copper oxide supported on alumina 312 (1994) 250

Surface defects
A. Rockett, A Monte Carlo simulation of the growth of Si(001)2 × 1: adatom/SA step interactions and growth mechanisms 312 (1994) 201
T. Li, B.V. King, R.J. MacDonald, G.F. Cotterill, D.J. O'Connor and Q. Yang, A STM study of the effects of the ion incident angle and energy on surface damage induced by Ar^+ bombardment of HOPG 312 (1994) 399
N.C. Bartelt, T.L. Einstein and E.D. Williams, Measuring surface mass diffusion coefficients by observing step fluctuations 312 (1994) 411

Surface diffusion
S. Speller, S. Molitor, C. Röthig, J. Bömermann and W. Heiland, Surface mobility on the Au(110) surface observed with scanning tunneling microscopy 312 (1994) L748
N.C. Bartelt, T.L. Einstein and E.D. Williams, Measuring surface mass diffusion coefficients by observing step fluctuations 312 (1994) 411
C. Engdahl and G. Wahnström, Transient hyperthermal diffusion following dissociative chemisorption: a molecular dynamics study 312 (1994) 429

Surface melting
B.N.J. Persson and E. Tosatti, What can high-resolution electron energy loss spectroscopy tell about pre-melting of semiconductor surfaces at high temperatures? 312 (1994) 198

Surface phonons and adsorbate vibrations
H. Dürr and A.P. Baddorf, Anharmonicity and vibrational relaxation on the Cu(110)-(2 × 1)-O surface 312 (1994) 369

Surface potential
W. Lisowski, Low-temperature interaction of hydrogen with methane-precovered thin palladium films 312 (1994) 157

Surface states and interface states
D.M. Swanston, A.B. McLean, D.N. McIlroy, D. Heskett, R. Ludeke, H. Munekata, M. Prietsch and N.J. DiNardo, Surface localized states on InAs(110) 312 (1994) 361

Surface stress
J.H. van der Merwe, D.L. Tönsing and P.M. Stoop, Role of misfit strain and proximity in epigrowth modes. I. Strong epilayer–substrate interaction 312 (1994) 387

Surface structure, see also Low energy electron diffraction
I.H. Hong, P.R. Jeng, S.C. Shyu, Y.C. Chou and C.M. Wei, Surface dimer imaging using Kikuchi electron holography: a study on Si(001)(2 × 1) surface 312 (1994) L743
A. Barbieri, D. Jentz, N. Materer, G. Held, J. Dunphy, D.F. Ogletree, P. Sautet, M. Salmeron, M.A. Van Hove and G.A. Somorjai, Surface crystallography of Re(0001)-(2 × 2)-S and Re(0001)-($2\sqrt{3} \times 2\sqrt{3}$)R30°-6S: a combined LEED and STM study 312 (1994) 10
L. Eierdal, F. Besenbacher, E. Lægsgaard and I. Stensgaard, Interaction of oxygen with Ni(110) studied by scanning tunneling microscopy 312 (1994) 31
L.D. Mapledoram, A. Wander and D.A. King, Islanding or random growth? The low coverage growth modes and structure of NO on Ni{111} studied by diffuse ATLEED 312 (1994) 54
O. Heckmann, H. Magnan, P. le Fevre, D. Chandesris and J.J. Rehr, Crystallographic structure of cobalt films on Cu(001): elastic deformation to a tetragonal structure 312 (1994) 62
P. Schmailzl, K. Schmidt, P. Bayer, R. Döll and K. Heinz, The structure of thin epitaxial Fe films on Cu(100) in the transition range fcc → bcc 312 (1994) 73
M. Zharnikov, D. Mehl, M. Weinelt, P. Zebisch and H.-P. Steinrück, Holographic reconstruction of Pt(110) using multiple wave number photoelectron diffraction patterns 312 (1994) 82
E. Schmidtke, C. Schwennicke and H. Pfnür, The O/Ni(111)-p(2 × 2) structure: adsorbate induced relaxations 312 (1994) 301
P.A. Bennett, S.A. Parikh, M.Y. Lee and D.G. Cahill, Atomic structure of cobalt silicide islands formed by reactive epitaxy 312 (1994) 377

Surface thermodynamics
V.P. Zhdanov and P.R. Norton, Statistics of adsorption on top and bridge sites of a square lattice 312 (1994) 441

Tantalum
P.J. Chen and D.W. Goodman, Epitaxial growth of ultrathin Al_2O_3 films on Ta(110) 312 (1994) L767

Thermal desorption
M.E. Pansoy-Hjelvik, R. Xu, Q. Gao, K. Weller, F. Feher and J.C. Hemminger, The chemistry of methyl and ethyl radicals on Pt(111) from the decomposition of tri-alkyl bismuth compounds 312 (1994) 97
V.A. Gercher and D.F. Cox, Formic acid decomposition on SnO_2(110) 312 (1994) 106
M.H. Nassir, B. Frühberger and D.J. Dwyer, Coverage dependence of CO dissociation on clean and hydrogen presaturated Fe(100) surface 312 (1994) 115

W. Lisowski, Low-temperature interaction of hydrogen with methane-precovered thin palladium films 312 (1994) 157
R.D. Ramsier, Q. Gao, H. Neergaard Waltenburg and J.T. Yates, Jr., Ge deposition on Pd(111): adsorption and decomposition of Ge_2H_6 312 (1994) 271
J.A. Rodriguez and J. Hrbek, Synergistic interactions in trimetallic bonding: a comparison of the ZnNM/Ru(001) (NM = Cu, Ag or Au) systems 312 (1994) 345

Tin oxide

V.A. Gercher and D.F. Cox, Formic acid decomposition on SnO_2(110) 312 (1994) 106

Tungsten

C.H.F. Peden and N.D. Shinn, Oxidation of W(110): valence-band and W(4f) core-level spectroscopy 312 (1994) 151
J.H. van der Merwe, D.L. Tönsing and P.M. Stoop, Role of misfit strain and proximity in epigrowth modes. I. Strong epilayer–substrate interaction 312 (1994) 387

Tunneling

S. Speller, S. Molitor, C. Röthig, J. Bömermann and W. Heiland, Surface mobility on the Au(110) surface observed with scanning tunneling microscopy 312 (1994) L748
T. Hasegawa, M. Kohno, S. Hosaka and S. Hosoki, Initial stages of oxygen adsorption onto a Si(111)-7 × 7 surface studied by STM 312 (1994) L753
J.V. Barth, R.J. Behm and G. Ertl, Erratum to "Mesoscopic structural transformations of the Au(111) surface induced by alkali metal adsorption" [Surface Science Letters 302 (1994) L319–L324] 312 (1994) L757
M.J. Abrams and P.S. Weiss, Studying transient mobility and energy loss using scanning tunneling microscopy 312 (1994) 1
A. Barbieri, D. Jentz, N. Materer, G. Held, J. Dunphy, D.F. Ogletree, P. Sautet, M. Salmeron, M.A. Van Hove and G.A. Somorjai, Surface crystallography of Re(0001)-(2 × 2)-S and Re(0001)-$(2\sqrt{3} \times 2\sqrt{3})$R30°-6S: a combined LEED and STM study 312 (1994) 10
T. Matsumoto, H. Tanaka, K. Kouguchi, T. Kawai and S. Kawai, A scanning tunneling microscopy study of laser molecular beam epitaxy on $SrTiO_3$(100) surface 312 (1994) 21
L. Eierdal, F. Besenbacher, E. Lægsgaard and I. Stensgaard, Interaction of oxygen with Ni(110) studied by scanning tunneling microscopy 312 (1994) 31
D.-S. Lin, H. Hong, T. Miller and T.-C. Chiang, Growth and atomic structure of epitaxial Si films on Ge(111) 312 (1994) 213
P.A. Bennett, S.A. Parikh, M.Y. Lee and D.G. Cahill, Atomic structure of cobalt silicide islands formed by reactive epitaxy 312 (1994) 377
T. Li, B.V. King, R.J. MacDonald, G.F. Cotterill, D.J. O'Connor and Q. Yang, A STM study of the effects of the ion incident angle and energy on surface damage induced by Ar^+ bombardment of HOPG 312 (1994) 399

Water

F. Grellner, B. Klingenberg, D. Borgmann and G. Wedler, Interaction of H_2O with Co(11$\bar{2}$0): a photoelectron spectroscopic study 312 (1994) 143
Q. Gao, Z. Dohnalek, C.C. Cheng, W.J. Choyke and J.T. Yates, Jr., Direct images of isotropic and anisotropic vibrations in the Cl–Si and H–O–Si chemisorption bonds on Si(100) 312 (1994) 261

Work function
F. Grellner, B. Klingenberg, D. Borgmann and G. Wedler, Interaction of H_2O with Co(11$\bar{2}$0): a photoelectron spectroscopic study 312 (1994) 143

X-ray absorption
O. Heckmann, H. Magnan, P. le Fevre, D. Chandesris and J.J. Rehr, Crystallographic structure of cobalt films on Cu(001): elastic deformation to a tetragonal structure 312 (1994) 62

Zinc
J.A. Rodriguez and J. Hrbek, Synergistic interactions in trimetallic bonding: a comparison of the ZnNM/Ru(001) (NM = Cu, Ag or Au) systems 312 (1994) 345